

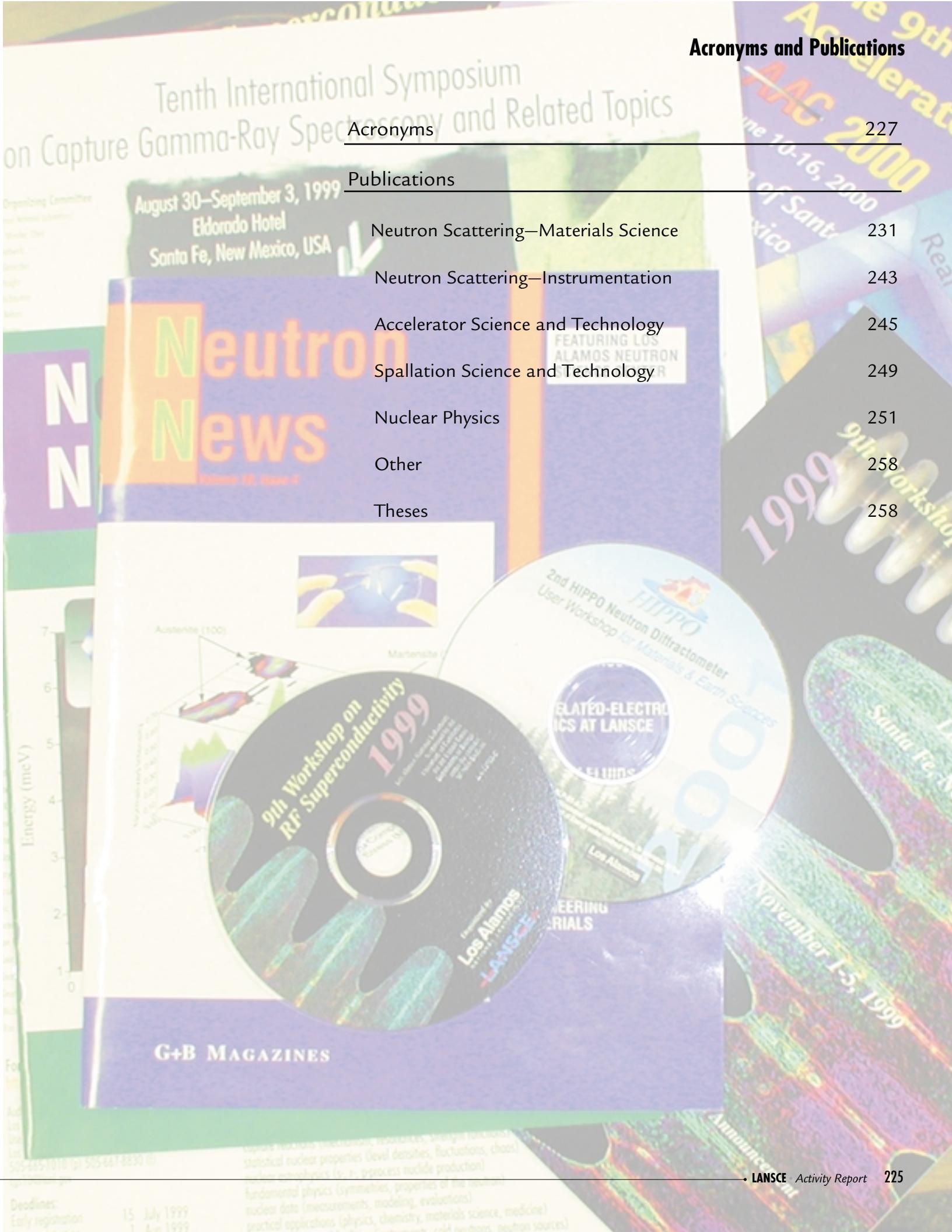
Tenth International Symposium Gamma-Ray Spectroscopy and Related Topics

Acronyms

Acronyms

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*Acronyms***A**

AAA	Advanced Accelerator Applications
ac	alternating current
AF	antiferromagnetic
AFP	adiabatic fast passage
AHF	Advanced Hydrotest Facility
AMS	Accelerator Mass Spectrometry
ANL	Argonne National Laboratory
APT	Accelerator Production of Tritium
ASCI	Accelerated Strategic Computing Initiative
ATW	Accelerator-Driven Transmutation of Waste
AWE	Aldermaston Weapons Establishment

B

BCS	Bardeen-Cooper-Schrieffer
BIO	Basis for Interim Operation
BNL	Brookhaven National Laboratory
BPM	beam position monitors

C

CA	ChannelAccess
CCD	charge coupled device
CERN	European Center for Nuclear Research
COM	Component Object Model
CP	charge-conjugation parity
CT	computed tomography
CTE	coefficient of thermal expansion
CW	continuous wave

D

DANCE	Detector for Advanced Neutron Capture Experiments
DARHT	Dual Axis Radiographic Hydrotest (Facility)
dc	direct current
DLL	dynamic link library
DoD	Department of Defense
DOE	Department of Energy
DOS	density of states
DP	Defense Programs
DPPC	dipalmitoylphosphatidylcholine
DR	directed research
DSP	digital signal processing
DTL	drift-tube linac (linear accelerator)

E

EDM	electric dipole moment
EEV	English Electric Valve

EOS	equation of state
EPA	Environmental Protection Agency
EPACS	Experimental Area Personnel Access Control System
EPICS	Experimental Physics and Industrial Control System
EPSC	elasto-plastic self-consistent (model)
ER	exploratory research
ExecCom	Executive Committee

F

FCS	Fermi Chopper Spectrometer
FDS	Filter Difference Spectrometer
FEM	finite element model
FERMILAB	FERMI National Accelerator Laboratory
FIGARO	Fast Neutron-Induced Gamma-Ray Observer
FP	flight path
FWHM	full-width at half-maximum

G

GCR	galactic cosmic ray
GEANIE	Germanium Array for Neutron-Induced Excitations
GIXD	grazing incidence x-ray diffraction
GSAS	Generalized Structure Analysis System
GUT	grand unified (field) theory

H

HEM	hydrogen embrittlement
HFIR	High-Flux Isotope Reactor
HIPD	High Intensity Powder Diffractometer
HMI	Hahn-Meitner Institute
HTSC	high-temperature superconductor

I

I/O	input/output
ICE	internal conversion electrons
IGBT	insulated gate bipolar transistor
IGPP	Institute of Geophysics and Planetary Physics
ILL	Institute Laue-Langevin
INS	inelastic neutron scattering
IOC	input-output controller
IPF	Isotope Production Facility
IPNS	Intense Pulsed Neutron Source
ISIS	Rutherford-Appleton Laboratory Neutron Facility
ISTS	Ion Source Test Stand

Acronyms

J

K

L

LANL	Los Alamos National Laboratory
LANSCE	Los Alamos Neutron Science Center
LBNL	Lawrence Berkeley National Laboratory
LDRD	Laboratory-Directed Research and Development
LEBT	low-energy beam transport
LEDA	Low-Energy Demonstration Accelerator
linac	linear accelerator
LLNL	Lawrence Livermore National Laboratory
LLRF	low-level radio frequency
LQD	Low-Q Diffractometer
LRMECS	Low-Resolution Medium Energy Chopper Spectrometer
LS	lung surfactant
LUG	LANSCE User Group
Lujan Center	Manuel Lujan Jr. Neutron Scattering Center

M

MCS	multiple Coulomb scattering
MEU	multiple-event upset
MIT	Massachusetts Institute of Technology
MOSFET	Metal-Oxide Semiconductor-Field-Effect Transistor
MRD	multiples of random distribution
MWPC	multiwire proportional counter

N

ND	normal direction
NE	Office of Nuclear Energy, Science, and Technology
NISP	Neutron Instrument Simulation Package
NIST	National Institute of Standards and Technology
NMED	New Mexico Environmental Department
NMR	nuclear magnetic resonance
NN	nucleon-nucleon
NNSA	National Nuclear Security Administration
NPB	neutron-proton Bremsstrahlung
NPD	Neutron Powder Diffractometer
NPDES	National Pollutant Discharge Elimination System

NRS
NSF
NSLS
NSSA

neutron resonance spectroscopy
National Science Foundation
National Synchrotron Light Source
Neutron Scattering Society of America

O

OBER	Office of Biological and Environmental Research
OBES	Office of Basic Energy Science
OHENP	Office of High Energy and Nuclear Physics
ORNL	Oak Ridge National Laboratory

P

PA	palmitic acid
PAC	Program Advisory Committee
PACS	Personnel Access Control System
PCB	printed circuit board
PCS	Protein Crystallography Station
PDF	pair distribution function
PET	positron emission tomography
PG	phosphatidylglycerol
PIGMA	Pressurized Inert Gas Metal Arc
PLC	programmable logic controller
ppm	parts per million
PRAD	proton radiography
PSR	Proton Storage Ring
P-T	proton-tritium
PVC	polyvinyl chloride
PWM	pulse-width modulation

Q

RDF
RDS
rf
RFQ
RLW
RRM
RSS

radial distribution function
respiratory distress syndrome
radio frequency
radio-frequency quadrupole
Radioactive Liquid Waste
repetition rate multiplication
Radiation Security System

S

SANS	small-angle neutron scattering
SBSS	Science-Based Stockpile Stewardship
SC	Office of Science
SCCL	side-coupled cavity linac (linear accelerator)
SCD	Single Crystal Diffractometer
SCR	silicon-controlled rectifier
SCR	solar cosmic ray
SEU	single-event upset

SF	spin flip
SGI	Silicon Graphics Incorporated
SLD	scattering length density
SMARTS	Spectrometer for Materials Research at Temperature and Stress
SNL	Sandia National Laboratories
SNS	Spallation Neutron Source
SPEAR	Surface Profile Analysis Reflectometer
SPSS	Short-Pulse Spallation Source
SRS	Savannah River Site

T

T	toroid
T	time reversal
T_0	T-zero
TAP	toroidal anvil press
T_c	transition temperature
TCP/IP	transmission control protocol/internet protocol
TOF	time of flight
TT	through thickness

U

UCN	ultra-cold neutron
UDP	user datagram protocol
UML	Unified Modeling Language

V

V-A	axial vector
VI	virtual instrument
VISAR	Velocity Interferometer System for Any Reflector
VME	virtual memory extension
VPSC	Visco-Plastic Self-Consistency

W

WNR	Weapons Neutron Research (Facility)
WS	wire scanner

X

XR	x-ray reflectivity
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Y**Z**

Publications

The following publications relate to all work carried out at LANSCE and reported since the 1995–1998 LANSCE Activity Report (LA-13547-SR) was published. Work performed elsewhere by LANSCE staff is included where relevant. This list does not include publications submitted or in press as of December 2000.

Publications are an important “product” of LANSCE and a valuable metric to our sponsors and review boards. All facility users are requested to send complete references of all publications resulting from experimental work conducted utilizing LANSCE resources, in whole or in part, to the User Office.

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